Agilent Gas Chromatographs

Reference

	Agilent 6890N	Agilent 6890 Plus	Agilent 4890D	Agilent 6850	Agilent Micro GC
Mainframe					
Size (H × W × D, cm)	50 × 58 x 54	50 × 58 x 54	47 × 66 x 51	50 × 29 × 54	15 × 36 × 41
Channels (maximum)	2	2	2	1	4
Maximum oven temperature (°C)	450 (programmable)	450 (programmable)	450 (programmable)	350 (programmable)	180 (isothermal)
Oven cryogenic gases	N_2 or CO_2	N_2 or CO_2	N_2 or CO_2	CO_2	
Sampling					
Sampling valve	Gas or liquid	Gas or liquid	Gas or liquid	Gas or liquid petroleum gas	Gas/liquefied
Number of valves					
– Maximum installable	4	4	4	1	NA
– Control capacity	8	8	4	2	NA
Automatic liquid sampler vial capacity	8 or 100	8 or 100	8 or 100	8 or 27	0 (gas only)
Headspace vial capacity	12 or 44 (EPC)	12 or 44 (EPC)	12 or 44 (manual)	12 or 44 (manual)	not supported
Purge and trap	✔	✔	✔	✔	not supported
Inlets					
Electronic pneumatics control	✔	✔		✔	
Split/splitless	✔	✔	✔	✔	
Packed	✔	✔	✔	✔	
On-column	✔	✔			
Programmable temperature vaporizer	✔	✔			
Volatiles interface	✔	✔			
Detectors					
Electronic pneumatics control	✔	✔		✔	
Flame ionization detector	✔	✔	✔	✔	
Thermal conductivity detector	✔	✔	✔	✔	✔ (micro-TCD)
Electron capture detector	✔ (micro-ECD)	✔ (micro-ECD)	✔		
Nitrogen-phosphorus detector	✔	✔	✔ (as accessory)		
Flame photometric detector	✔	✔	✔ (as accessory)		
Mass selective detector	✔	✔			
Atomic emission detector	✔	✔			
Signal/Control Interfaces					
LAN	✔	✔		✔	
GPIB		✔	✔		
RS-232-C	✔	✔	✔	✔	✔
INET		✔	✔		
Remote start/analog output	✔	✔	✔	✔	✔

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